

## 09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT

LOCATION.--Lat 40°21'29", long 109°23'13", in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 25, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank about 0.5 mi below Union Canal diversion at County road bridge, 1.7 mi above mouth and 2.5 mi southwest of Jensen.

DRAINAGE AREA.--389 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,740 ft above sea level from topographic map.

REMARKS.--Records fair except for estimated daily discharges which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,300 ft<sup>3</sup>/s June 16, 1995, gage height, 6.34 ft from high water mark, and rating curve extended above 1,800 ft<sup>3</sup>/s; minimum daily discharge, 0.03 ft<sup>3</sup>/s Aug. 7, 26, 27, 30, 31, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1820 ft<sup>3</sup>/s May 20, gage height, 5.68 ft from high water mark, minimum daily discharge, 0.81ft<sup>3</sup>/s June 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	31	21	19	e22	e13	21	11	682	.82	3.6	7.6
2	7.9	26	21	18	e23	e12	20	12	754	.86	2.5	18
3	8.2	23	e20	e26	e24	e11	22	13	884	.91	2.5	43
4	8.8	24	e19	e25	e23	e11	23	12	763	2.8	3.4	48
5	10	26	e20	e24	e22	e11	24	10	486	3.7	98	50
6	12	25	e20	e23	e21	e11	23	7.9	398	4.9	35	41
7	8.9	22	e20	e22	e20	e11	20	4.7	297	4.8	17	36
8	8.1	21	e21	e23	e19	e15	19	5.3	343	2.9	9.0	32
9	7.8	22	e20	e24	e18	e20	34	7.0	501	3.1	6.6	24
10	12	21	21	e24	e19	e29	29	40	493	2.6	13	19
11	9.1	20	e20	e23	e21	e35	22	58	492	4.0	32	14
12	9.4	20	e19	21	e20	e47	21	119	384	3.7	37	17
13	11	20	e20	e20	e21	e56	20	223	347	7.6	23	14
14	13	21	21	e20	e22	e50	21	171	331	5.3	18	13
15	15	20	e20	e19	e20	e45	24	406	288	1.5	12	18
16	15	21	e19	e18	e17	e40	23	597	284	.93	7.1	24
17	18	22	e20	e18	e17	e36	20	577	265	1.5	3.5	25
18	21	24	e20	e19	e18	e33	19	963	242	2.1	3.4	26
19	23	25	e21	e20	e19	e32	20	1200	234	4.2	4.5	98
20	29	23	e22	e21	e20	e30	18	1320	197	2.4	6.5	89
21	30	22	e21	e22	e19	e29	18	1200	179	2.7	5.3	103
22	31	32	e20	e22	e17	e28	23	882	156	2.8	4.8	112
23	28	34	e19	e22	e16	e27	20	829	123	2.8	4.8	115
24	24	26	e19	e22	e15	e26	22	963	67	3.4	6.6	68
25	29	25	e20	e21	e15	e26	21	915	26	1.8	6.0	53
26	33	23	e21	e20	e16	e27	13	675	4.1	1.3	4.3	63
27	25	21	e22	e19	e15	e26	11	587	.96	2.9	5.6	152
28	23	20	e23	e18	e14	25	12	580	.90	6.1	5.7	74
29	29	20	e23	e19	---	25	12	531	.81	9.6	3.4	50
30	33	20	e22	e20	---	23	11	669	.89	5.8	4.0	40
31	32	---	21	e21	---	22	---	456	---	3.4	5.0	---
TOTAL	570.4	700	636	653	533	832	606	14043.9	9223.66	103.22	393.1	1486.6
MEAN	18.4	23.3	20.5	21.1	19.0	26.8	20.2	453	307	3.33	12.7	49.6
MAX	33	34	23	26	24	56	34	1320	884	9.6	98	152
MIN	6.2	20	19	18	14	11	11	4.7	.81	.82	2.5	7.6
AC-FT	1130	1390	1260	1300	1060	1650	1200	27860	18300	205	780	2950
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1997, BY WATER YEAR (WY)												
MEAN	23.0	24.4	19.8	17.8	23.9	26.6	12.5	165	296	66.3	13.5	16.1
MAX	33.1	30.3	26.6	22.9	49.1	56.5	35.4	453	1121	354	40.4	49.6
(WY)	1996	1994	1994	1994	1994	1993	1993	1997	1995	1995	1993	1997
MIN	13.3	17.1	13.1	12.0	15.2	12.7	2.43	9.97	4.80	.51	.40	1.41
(WY)	1993	1995	1993	1996	1996	1996	1992	1992	1992	1994	1994	1994
SUMMARY STATISTICS												
FOR 1996 CALENDAR YEAR				FOR 1997 WATER YEAR				WATER YEARS 1992 - 1997				
ANNUAL TOTAL	5906.21			29780.88								
ANNUAL MEAN	16.1			81.6				58.6				
HIGHEST ANNUAL MEAN								138				
LOWEST ANNUAL MEAN								12.7				
HIGHEST DAILY MEAN								3560				
LOWEST DAILY MEAN								.03				
ANNUAL SEVEN-DAY MINIMUM								.03				
ANNUAL RUNOFF (AC-FT)	11710			59070				42480				
10 PERCENT EXCEEDS	25			227				53				
50 PERCENT EXCEEDS	12			21				18				
90 PERCENT EXCEEDS	2.9			4.2				2.4				

e Estimated